



## Disease emergence from global climate and land use change

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### Abstract:

Climate change and land use change can affect multiple infectious diseases of humans, acting either independently or synergistically. Expanded efforts in empiric and future scenario-based risk assessment are required to anticipate problems. Moreover, the many health impacts of climate and land use change must be examined in the context of the myriad other environmental and behavioral determinants of disease. To optimize prevention capabilities, upstream environmental approaches must be part of any intervention, rather than assaults on single agents of disease. Clinicians must develop stronger ties, not only to public health officials and scientists, but also to earth and environmental scientists and policy makers. Without such efforts, we will inevitably benefit our current generation at the cost of generations to come.

**Source:** <http://dx.doi.org/10.1016/j.mcna.2008.07.007>

### Resource Description

#### Exposure :

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Food/Water Security, Glacier/Snow Melt, Precipitation, Sea Level Rise, Temperature

**Extreme Weather Event:** Drought, Flooding, Hurricanes/Cyclones

**Food/Water Quality:** Other Water Quality Issue

**Water Quality (other):** Water temperature

**Food/Water Security:** Agricultural Productivity, Food Access/Distribution, Livestock Productivity, Nutritional Quality

**Temperature:** Fluctuations

#### Geographic Feature:

resource focuses on specific type of geography

Urban, Other Geographical Feature

**Other Geographical Feature :** Forests

#### Geographic Location:

# Climate Change and Human Health Literature Portal

resource focuses on specific location

Global or Unspecified

## Health Impact:

specification of health effect or disease related to climate change exposure

Infectious Disease

**Infectious Disease:** Foodborne/Waterborne Disease, Vectorborne Disease, Zoonotic Disease

**Foodborne/Waterborne Disease:** Campylobacteriosis, Cholera, Cryptosporidiosis, E. coli, Leptospirosis, Schistosomiasis, Other Diarrheal Disease

**Vectorborne Disease:** Flea-borne Disease, Fly-borne Disease, Mosquito-borne Disease, Tick-borne Disease

**Flea-borne Disease:** Plague

**Fly-borne Disease:** Leishmaniasis, Onchocerciasis, Trypanosomiasis

**Mosquito-borne Disease:** Chikungunya, Dengue, Dirofilariasis, Malaria, Rift Valley Fever, West Nile Virus, Yellow Fever

**Tick-borne Disease:** Lyme Disease

**Zoonotic Disease:** Hantavirus Pulmonary Syndrome

## Mitigation/Adaptation:

mitigation or adaptation strategy is a focus of resource

Adaptation

## Resource Type:

format or standard characteristic of resource

Review

## Timescale:

time period studied

Time Scale Unspecified